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# **Develop a Risk-Based Approach and Criteria for Hazard Detection Layout**

Agreement #693JK31910008POTA


Quarterly Status Report – Q1

Public

December 20, 2019


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## 1 Items Completed During this Quarterly Period

The performance period for the research project "Develop a Risk-Based Approach and Criteria for Hazard Detection Layout" (Project) is September 30, 2019 through March 31, 2021 as outlined in PHMSA Agreement #693JK31910008POTA (Agreement). The current quarter closes on December 31, 2019. The PHMSA Agreement Officer's Representative (AOR) for this project is Ms. Chau Tran.

Table 1-1 shows the items and deliverables that were completed during this Quarter.

Table 1-1. Items Completed During This Quarterly Period

Item	Task	Deliverable	Quarter	Federal Payment	Cost Share
1	1	TAP and Kickoff Meeting	1	\$12,448	\$3,112
2	8	Quarterly Status Report and Project Management	1	\$6,478	\$494

## 2 Items Not Completed During this Quarterly Period

There were no items and deliverables that were scheduled to be completed during this Quarter that were not completed during this Quarter.

## 3 Project Financial Tracking During this Quarterly Period

The current project financial tracking is shown in Figure 3-1. Work for the project is currently on schedule and projected to remain on schedule.

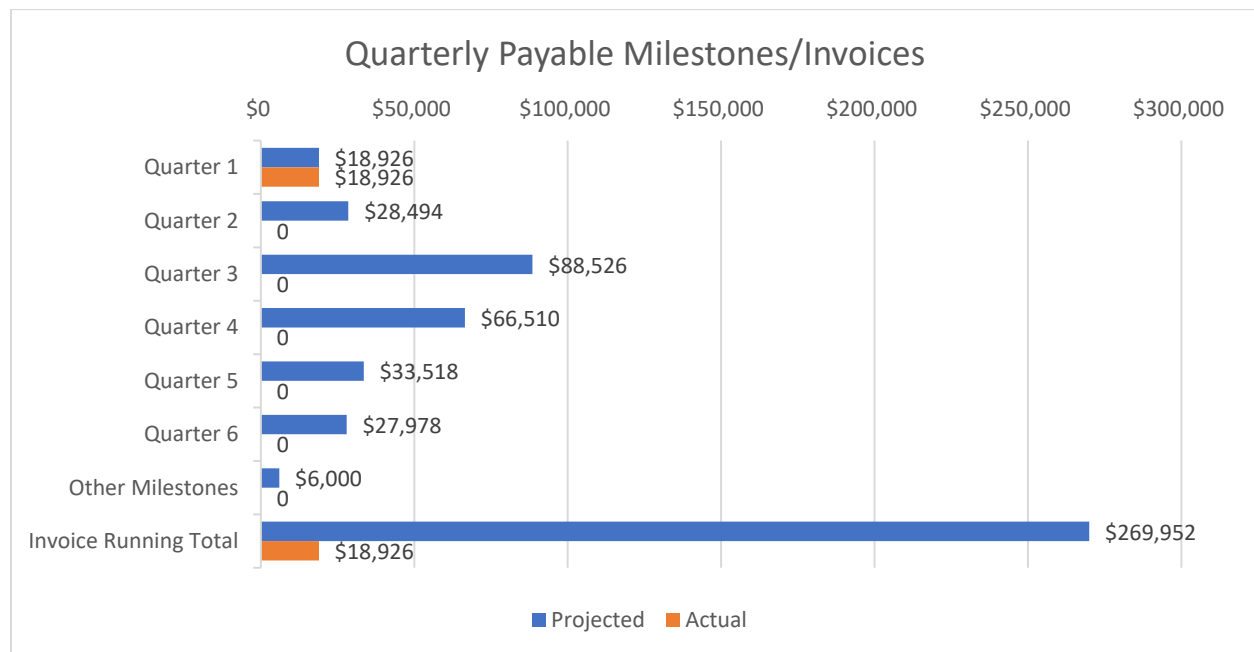


Figure 3-1: Project Financial Tracking


## 4 Project Technical Status

### 4.1 Task 1 – Project Initiation

The goal of Task 1 was to build a Technical Advisory Panel (TAP) with representatives from regulatory agencies, facility operators, and other key stakeholders in the LNG industry, as well as finalize cost-sharing requirements to fund the project. During this quarter, BLUE has received written commitments to the project TAP as summarized in Table 4-1 and all cost-sharing requirements have been satisfied.

Table 4-1: TAP Commitments

TAP Member	Organization
Brady Dague	Federal Energy Regulatory Commission
Sue Stritter	Distrigas
Richard Rogers	Southern Company Gas
Pat Outtrim	Tellurian
Kevin Ritz	Baltimore Gas & Electric
Justin Perry	Dominion Energy
Josh Cardoso	National Grid

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## 4.2 Task 2 – Literature Review

BLUE has begun conducting a comprehensive literature review to consolidate applicable industry standards and best practices for hazard detection layouts at onshore LNG facilities. This work will continue into the next quarter and will be detailed in a summary report at the end of Quarter 2.

## 4.3 Task 8 – Project Management

BLUE has developed an internal project schedule and manpower allocation to support the proposed project timeline and has internal team meetings as necessary.

The first quarterly report was submitted on December 20, 2019.

## 5 Project Schedule

The project team's efforts to advance the project schedule are summarized below:

- The project is on schedule;
- The overall schedule shown in Figure 5-1 remains on track and no changes in the project schedule have been required;
- The project team remains highly engaged and stable (with no changes in personnel).

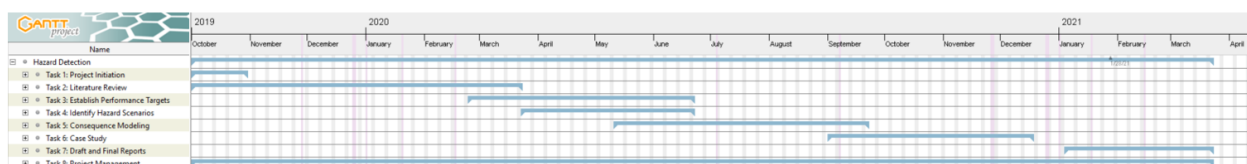


Figure 5-1: Project Schedule

## 6 Status Report Summary

Two deliverable milestones were completed in the current quarter:

- 1) Establish TAP and conduct kickoff meeting
- 2) Quarterly status report

Work for the project is currently on schedule and projected to remain on schedule.